

SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution) Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai^{ai} Accredited by NAAC-UGC with 'A++' Grade (Cycle III) & amp; Accredited by NBA (B.E - CSE, EEE, ECE, Mech & amp; B.Tech.IT) COIMBATORE-641 035, TAMIL NADU



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$$= \int_{3\pi}^{2\pi} \left[x \left(\frac{\sin sx}{s} \right) - c_{0} \left(\frac{\cos sx}{s^{2}} \right)_{0}^{1} + \left[(2-x) \left(\frac{\sin sx}{s} \right) - c_{0} \left(\frac{\cos sx}{s^{2}} \right)_{0}^{2} + \left[(2-x) \left(\frac{\sin sx}{s} \right) - c_{0} \left(\frac{\cos sx}{s^{2}} \right)_{0}^{2} + \left[(2-x) \left(\frac{\sin sx}{s} \right) - c_{0} \left(\frac{\cos sx}{s^{2}} \right)_{0}^{2} + \left[(2-x) \left(\frac{\sin sx}{s} \right) - c_{0} \left(\frac{\cos sx}{s^{2}} \right)_{0}^{2} + \frac{\cos sx}{s^{2}} \right] \right]$$

$$= \int_{3\pi}^{2\pi} \left[\frac{\cos sx}{s} + \frac{\cos sx}{s^{2}} - \frac{\cos sx}{s^{2}} + \frac{\cos sx}{s^{2}} + \frac{\cos sx}{s^{2}} \right]$$

$$= \int_{3\pi}^{2\pi} \left[\frac{\cos sx}{s^{2}} + \frac{-1}{s^{2}} - \frac{\cos sx}{s^{2}} + \frac{\cos sx}{s^{2}} + \frac{\cos sx}{s^{2}} \right]$$

$$= \int_{3\pi}^{2\pi} \left[\frac{\cos sx}{s^{2}} + \frac{-1}{s^{2}} - \frac{\cos sx}{s^{2}} + \frac{\cos sx}{s^{2}} + \frac{\cos sx}{s^{2}} \right]$$

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$$= \int_{3\pi}^{2\pi} \left[\frac{\cos sx}{s^{2}} + \frac{-1}{s^{2}} - \frac{\cos sx}{s^{2}} + \frac{\cos sx}{s^{2}} + \frac{\cos sx}{s^{2}} + \frac{\cos sx}{s^{2}} \right]$$

$$= \int_{3\pi}^{2\pi} \left[\frac{\cos sx}{s^{2}} + \frac{-1}{s^{2}} - \frac{\cos sx}{s^{2}} + \frac{\cos sx}{s^{2}} + \frac{\cos sx}{s^{2}} + \frac{\cos sx}{s^{2}} \right]$$

$$= \int_{3\pi}^{2\pi} \left[\frac{\cos sx}{s^{2}} + \frac{\cos sx}{s^{2}} \right]$$

$$= \int_{3\pi}^{2\pi} \left[\frac{\sin sx}{s^{2}} + \frac{\cos sx}{s^{$$

23MAT103-Differential Equations and Transforms



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fix sin sx dx 2 J Fs [fca] -D sin a sin sa B O SCN Sa da D x sin sx dx sin 0 sin A sin (A+B) • COS (A-R COR B= 2 0 cos - 9 D sin CL-D a SUD X ts, ag 3 5 ٥ 2 - -143 noturo 2 1:1 Ni